



## Test Report

No.: SHHL260100532701IP

Date: APR. 08, 2026

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TYZE LLC

Sample Description : Wooden Playpen  
SKU : Under the Sea 8 Playpen; Under the Sea 10 Playpen; Playpen 8 panels; Playpen 10 panels  
Buyer : TYZE LLC  
Manufacturer :

Country of Origin : CHINA  
Country of Destination : US; CA

\*\*\*\*\*

Source of Sample : SENT BY CLIENT.  
Sample Receiving Date : JAN. 28, 2026  
1<sup>st</sup> Resubmitted Sample Date : MAR. 19, 2026  
2<sup>nd</sup> Resubmitted Sample Date : APR. 01, 2026  
Testing Period : JAN. 28, 2026 TO APR. 08, 2026

| Test Requested                                                                                                                                                                                                  | Result |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 16 CFR 1500.48 SHARP POINT                                                                                                                                                                                      | Pass   |
| 16 CFR 1500.49 SHARP EDGE                                                                                                                                                                                       | Pass   |
| 16 CFR 1501 SMALL PART                                                                                                                                                                                          | Pass   |
| 16 CFR PART 1130—REQUIREMENTS FOR CONSUMER REGISTRATION OF DURABLE INFANT OR TODDLER PRODUCTS                                                                                                                   | Pass   |
| Tracking label per section 14 [15 U.S.C. § 2063], (a)(5)(A) of the Consumer Product Safety Act, and Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products | Pass   |
| ASTM F1004-25e1 & 16 CFR 1239 STANDARD CONSUMER SAFETY SPECIFICATION FOR EXPANSION GATES AND EXPANDABLE ENCLOSURES                                                                                              | Pass   |
| ASTM F963-23, Clause 4.3.5.1 – Total Lead in Paint and Similar Surface-coating Materials                                                                                                                        | Pass   |
| ASTM F963-23, Clause 4.3.5.2 – Total Lead in Substrate Materials                                                                                                                                                | Pass   |
| ASTM F963-23, Clause 4.3.5.1 – Soluble Heavy Metal in Paint and Similar Surface-coating Materials                                                                                                               | Pass   |
| ASTM F963-23, Clause 4.3.5.2 – Soluble Heavy Metal in Substrate Materials                                                                                                                                       | Pass   |
| ASTM F963-23, Clause 4.3.8 – Phthalates                                                                                                                                                                         | Pass   |
| Part 1303, Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A.-Lead in paint/similar surface coating material                                                     | Pass   |
| CPSIA section 101(f) - Lead in paint/similar surface coating material                                                                                                                                           | Pass   |
| CPSIA section 101(a)(2) - Lead in accessible substrate materials                                                                                                                                                | Pass   |
| CONSUMER PRODUCT SAFETY COMMISSION-16 CFR Part 1307, Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates                                            | Pass   |



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|                                                                                                                                                                     |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Canada Consumer Product Safety Act-Surface Coating Materials Regulations<br>SOR/2016-193 and its amendment SOR/2022-122- Total Lead in surface coating<br>materials | Pass |
| ASTM F963-23 Standard Consumer Safety Specification for Toy Safety                                                                                                  | Pass |

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

*Melody Zhang*

Melody Zhang  
Authorized Signatory



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## Test Conducted:

**AS SPECIFIED IN TITLE 16, CODE OF FEDERAL REGULATIONS, CHAPTER II - CONSUMER PRODUCTS SAFETY COMMISSION OF U.S.A.**

|                                  | SHARP<br>POINT            | SHARP<br>EDGE             | SMALL<br>PART           |
|----------------------------------|---------------------------|---------------------------|-------------------------|
| <b>NORMAL USE AND ABUSE TEST</b> | -----<br><b>(1500.48)</b> | -----<br><b>(1500.49)</b> | -----<br><b>(1501)*</b> |
| <b>As Rec'd &amp; Normal Use</b> | PASS                      | PASS                      | PASS                    |
| <b>Impact Test</b>               | PASS                      | PASS                      | PASS                    |
| <b>Bite Test</b>                 | N/A                       | N/A                       | N/A                     |
| <b>Flexure Test</b>              | N/A                       | N/A                       | N/A                     |
| <b>Torque Test</b>               | PASS                      | PASS                      | PASS                    |
| <b>Tension Test</b>              | PASS                      | PASS                      | PASS                    |
| <b>Compression Test</b>          | PASS                      | PASS                      | PASS                    |

Item with \* means it passed at the first retest.

## Note:

N/A=NOT APPLICABLE

PASS =THE SUBMITTED SAMPLES COMPLY WITH THE TEST REQUIREMENTS.

### 16 CFR 1500.48 SHARP POINT

PASS

About the test result(s), Please see the above table.

### 16 CFR 1500.49 SHARP EDGE

PASS

About the test result(s), Please see the above table.

### 16 CFR 1501 SMALL PART

PASS

About the test result(s), Please see the above table.



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### **16 CFR PART 1130—REQUIREMENTS FOR CONSUMER REGISTRATION OF DURABLE INFANT OR TODDLER PRODUCTS**

| Clause | Test Requirement / Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rating |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1130.3 | <p><b>General requirements</b></p> <p>(a) Each manufacturer of a durable infant or toddler product shall:</p> <p>(1) Provide consumers with a postage-paid consumer registration form that meets the requirements of this part 1130 with each such product;</p> <p>(2) Maintain a record in accordance with the requirements set forth in § 1130.8 of the contact information (names, addresses, e-mail addresses, and telephone numbers) of consumers who register their products with the manufacturer under this part 1130;</p> <p>(3) Permanently place the manufacturer name and contact information, model name and number, and the date of manufacture on each durable infant or toddler product in accordance with the requirements set forth in § 1130.4.</p> <p>(4) Consumer information collected by a manufacturer pursuant to the requirements of this part 1130 shall not be used by the manufacturer, nor disseminated by the manufacturer to any other party, for any purpose other than notification to such consumer in the event of a product recall or safety alert.</p> | PASS   |



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| Clause | Test Requirement / Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Rating |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1130.4 | <p><b>Identification on the product</b></p> <p>(a) Each durable infant or toddler product shall be permanently marked with the manufacturer name, and contact information (U.S. address and telephone number, toll free if available) model name and number, and date of manufacture.</p> <p>(1) If the manufacturer regularly uses only a model name or a model number, but not both, to identify the product, he/she may provide only the model name or number rather than creating a model name or number for the sole purpose of this part 1130.</p> <p>(2) If the manufacturer regularly identifies the product by a product identification number ("PIN") or other similar identifying number rather than a model number, he/she may provide that identifying number instead of a model number.</p> <p>(3) The date referred to in paragraph (a) of this section shall include the month and year of manufacture and can be stated in code.</p> <p>(4) A permanent mark is one that can reasonably be expected to remain on the product during the useful life of the product.</p> <p>(b) The information required by this section shall be in English, legible, and in a location that is conspicuous to the consumer.</p> <p>(c) The information required by this section may be combined with other information marked on the product.</p> | PASS   |
| 1130.5 | <p><b>Requirements for registration forms</b></p> <p>The registration form required under § 1130.3(a)(1) shall:</p> <p>(a) Comply with the format and text requirements set forth in § 1130.6 as shown in figures 1 and 2 of this part;</p> <p>(b) State all information required by this part 1130 in the English language;</p> <p>(c) Be attached to the surface of each durable infant or toddler product so that, as a practical matter, the consumer must notice and handle the form after purchasing the product;</p> <p>(d) Include the manufacturer's name, model name and number for the product, and the date of manufacture;</p> <p>(e) Include an option for consumers to register through the Internet;</p> <p>(f) Include the statement required in § 1130.6(c)(1) that information provided by the consumer shall not be used for any purpose other than to facilitate a recall of or safety alert regarding that product.</p>                                                                                                                                                                                                                                                                                                                                                                                                       | PASS   |



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| Clause | Test Requirement / Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Rating |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1130.6 | <p><b>Requirements for format and text of registration forms.</b></p> <p><b>(a) Size of form.</b> The form shall be at least the size of two standard post cards, connected with perforation for later separation, so that each of the two portions is at least 3-1/2 inches high x 5 inches wide x 0.007 inches thick.</p> <p><b>(b) Layout of form -</b></p> <p><b>(1) General.</b> The form shall consist of four parts: top and bottom, divided by perforations for easy separation, and front and back.</p> <p><b>(2) Front size and typeface.</b> The registration form shall use bold black typeface. The size of the type shall be at least 0.12 in (3.0 mm) for the purpose statement required in paragraph (c)(1) of this section, and no less than 0.10 in (2.5 mm) for the other information in the registration form. The title of the purpose statement and the retention statement required in paragraph (d)(2) of this section shall be in all capitals. All other information shall be in capital and lowercase type.</p> <p><b>(c) Front of form -</b></p> <p><b>(1) Top front of form: Purpose statement.</b> The top portion of the front of each form shall state: "PRODUCT REGISTRATION FOR SAFETY ALERT OR RECALL ONLY. We will use the information provided on this card to contact you only if there is a safety alert or recall for this product. We will not sell, rent, or share your personal information. To register your product, please complete and mail the bottom part of this card, or visit our online registration at: <a href="http://www.Web.sitename.com">www.Web.sitename.com</a>." Manufacturers that do not have a Web site may provide an email address and state at the end of the purpose statement: "To register your product, please complete and mail the bottom part of this card, or email your contact information, the model name and number, and date of manufacture of the product, as provided on this card, to: <a href="mailto:name@firmname.com">name@firmname.com</a>."</p> <p><b>(2) Bottom front of form: Manufacturer's mailing address.</b> The bottom portion of the front of each form shall be pre-addressed and postage-paid with the manufacturer's name and mailing address where registration information is to be collected. A manufacturer may list a brand name in addition to the manufacturer's name. If a manufacturer uses a third party to process registration forms, the third party's name may be included as a "c/o" ("in care of") in the address on the form.</p> <p><b>(d) Back of the form -</b></p> <p><b>(1) Top back of form -</b></p> <p><b>(i) Product information and manufacturer's identification.</b> The top portion of the back of each form shall state: "Manufacturer's Contact Information" and provide the manufacturer's name and contact information (a U.S.</p> | PASS   |



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| Clause | Test Requirement / Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Rating |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|        | <p>mailing address displayed in sentence format, Web site address, a telephone number, toll-free, if available); product model name and number (or other identifier as described in § 1130.4(a)(1) and (2)); and manufacture date of the product. A rectangular box shall be placed around the model name, model number, and manufacture date. A manufacturer may list the brand name in addition to the manufacturer's name.</p> <p><b>(ii) Retention statement.</b> On the back of each form, just above the perforation line, the form shall state: "KEEP THIS TOP PART FOR YOUR RECORDS. FILL OUT AND RETURN BOTTOM PART."</p> <p><b>(2) Bottom back of form –</b></p> <p><b>(i) Consumer information.</b> The bottom portion of the back of each form shall have blocks for the consumer to provide his/her name, address, telephone number, and email address. These blocks shall be 5 mm wide and 7 mm high, with as many blocks as possible to fill the width of the card allowing for normal printing practices.</p> <p><b>(ii) Product information.</b> The following product information shall be provided on the bottom portion of the back of each form below the blocks for consumer information printed directly on the form or on a pre-printed label that is applied to the form: the model name and number (or other identifier as described in § 1130.4(a)(1) and (2)), and the date of manufacture of the product. A rectangular box shall be placed around the model name, model number, and manufacture date. A manufacturer may include its name on the bottom portion of the back of the form if they choose to do so.</p> |        |



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| Clause | Test Requirement / Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Rating |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1130.7 | <p><b>Requirements for Web site registration or alternative e-mail registration.</b></p> <p>(a) <b>Link to registration page.</b> The manufacturer's Web site, or other Web site established for the purpose of registration under this part 1130, shall be designed with a link clearly identified on the main web page that goes directly to "Product Registration."</p> <p>(b) <b>Purpose statement.</b> The registration page shall have the following statement at the top of the page: "PRODUCT REGISTRATION FOR SAFETY ALERT OR RECALL ONLY. We will use the information provided on this page only to contact you if there is a safety alert or recall for this product. We will not sell, rent, or share your personal information. If you register on this Web site you do not need to fill out the card that came with your product."</p> <p>(c) <b>Content of registration page.</b> The Web site registration page shall request only the consumer's name, address, telephone number, e-mail address, product model name and number, and the date of manufacture. The consumer's telephone number and e-mail address shall not be required for the consumer to submit the registration form. No other information shall appear on the electronic registration form, except for identification of the manufacturer or a link to the manufacturer's home page, a field to confirm submission, and a prompt to indicate any incomplete or invalid fields before submission. Accessing the electronic registration form shall not cause additional screens or electronic banners to appear.</p> <p>(d) <b>Alternative for manufacturers without a Web site.</b> A manufacturer that lacks a Web site shall provide for consumers to register their product through e-mail. Such e-mail addresses shall be set up to provide an automatic reply to confirm receipt of the consumer's registration information.</p> | PASS   |



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| Clause | Test Requirement / Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Rating |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1130.8 | <p>Recordkeeping and notification requirements</p> <p>(a) Each manufacturer of a durable infant or toddler product shall maintain a record of registrants for each product manufactured that includes all of the information provided by each consumer registered.</p> <p>(b) Each manufacturer of a durable infant or toddler product shall use the information provided by the registrant to notify the registrant in the event of a voluntary or involuntary recall of, or safety alert regarding, such product.</p> <p>(c) Each manufacturer of a durable infant or toddler product shall maintain a record of the information provided by the registrant for a period of not less than 6 years after the date of manufacture of the product.</p> <p>(d) Records required under this section shall be made available within 24 hours, upon the request of any officer, employee, or agent acting on behalf of the U.S. Consumer Product Safety Commission.</p> <p>(e) <i>Optional barcode.</i></p> <p>(1) A manufacturer may include a barcode, or other machine readable data, that when scanned would provide a direct link for the consumer to register the product.</p> <p>(2) Such a link must comply with all the requirements of this part 1130, including those in § 1130.7 and the restriction that the manufacturer shall not use or disseminate the consumer registration information for any purpose other than notifying the consumer of a safety alert or recall.</p> | /      |



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**Tracking label per section 14 [15 U.S.C. § 2063], (a)(5)(A) of the Consumer Product Safety Act, and Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products**

| Clause         | Test Method / Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Result |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Tracking label | <p>A permanent and distinguishing mark or code on the product and its packaging, to the extent practicable, allows the manufacturer and purchaser to ascertain the name of the manufacturer or private labeler, location and date of production of the product, cohort information (including the batch, run number, or other identifying characteristic), and any other information determined by the manufacturer to facilitate ascertaining the specific source of the product by reference to those marks; Verified the Presence only. The accuracy of tracking labeler on the tracking label will not be verified.</p> <p>This tracking information must always be on the packaging even when not feasible to place on the product.</p> | PASS   |



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**ASTM F1004-25e1 & 16 CFR 1239 STANDARD CONSUMER SAFETY SPECIFICATION FOR EXPANSION GATES AND EXPANDABLE ENCLOSURES**

Number of Test Specimen: 1 piece of sample

Test Result: Details Shown as Following Table:

| Clause       | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Rating |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>5</b>     | <b>General Requirements</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |
| <b>5.1</b>   | <b>Wood Parts</b><br>Prior to testing, any exposed wood parts shall be smooth and free from splinters. Slats are not permitted to contain any lateral/transverse joints, such as finger-joints, or any other means of joining pieces of lumber end-to-end.                                                                                                                                                                                                                                                                                                                    | PASS   |
| <b>5.2</b>   | <b>Screws</b><br>Screws shall not be used in the assembly of any components or locking or attaching device (or devices) that are intended to be removed by the consumer during daily operations.                                                                                                                                                                                                                                                                                                                                                                              | PASS   |
| <b>5.3</b>   | <b>Sharp points or edges</b><br>There shall be no hazardous sharp edges or points as defined by 16 CFR 1500.48 and 16 CFR 1500.49 before or after testing to this consumer safety specification.                                                                                                                                                                                                                                                                                                                                                                              | PASS   |
| <b>5.4*</b>  | <b>Small parts</b><br>There shall be no small parts as defined by 16 CFR 1501 before testing or liberated as a result of testing to this specification.                                                                                                                                                                                                                                                                                                                                                                                                                       | PASS   |
| <b>5.5*</b>  | <b>Openings</b><br>Holes or slots that extend entirely through a wall section of any rigid material less than 0.375 in. (9.53 mm) thick and admit a 0.210-in. (5.33-mm) diameter rod shall also admit a 0.375-in. (9.53-mm) diameter rod. Holes or slots that are between 0.210 in. (5.33 mm) and 0.375 in. (9.53 mm) and have a wall thickness less than 0.375 in. (9.53 mm) but are limited in depth to 0.375 in. (9.53 mm) maximum by another rigid surface shall be permissible (see Fig. 1). The product shall be evaluated in all manufacturer's recommended positions. | PASS   |
| <b>5.5.1</b> | Openings through multiple wall sections and openings created by multiple wall sections must meet the size requirements in 5.5 if the total thickness of the combined wall sections and any air gap between the wall sections is less than 0.375 in. (9.53 mm).                                                                                                                                                                                                                                                                                                                | N/A    |
| <b>5.6</b>   | <b>Exposed Coil Springs</b><br>Any exposed coil spring, which is accessible to the occupant having or capable of generating a space between coils of 0.210 in. (5.33 mm) or greater during static load testing in accordance with 7.8 shall be covered or otherwise designed to prevent injury from entrapment.                                                                                                                                                                                                                                                               | N/A    |



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| Clause | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Rating                             |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 5.7    | <b>Scissoring, Shearing, and Pinching</b><br>The gate/ expandable enclosure when in the manufacturer's recommended use position(s) shall be designed and constructed to prevent injury to the child from any scissoring, shearing, or pinching when members or components rotate about a common axis or fastening point, slide, pivot, fold, or otherwise move relative to one another. Scissoring, shearing, or pinching that may cause injury shall not be permissible when the edges of any rigid parts admit a probe greater than 0.210 in. (5.33 mm) and less than 0.375 in. (9.53 mm) diameter at any accessible point through the range of motion of such parts. | PASS                               |
| 5.8    | <b>Labeling</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |
| 5.8.1* | Warning labels (whether paper or nonpaper) shall be permanent when tested in accordance with 7.12.1 – 7.12.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PASS                               |
| 5.8.2  | Warning statements applied directly onto the surface of the product by hot stamping, heat transfer, printing, wood burning, etc., shall be permanent when tested in accordance with 7.12.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |
| 5.8.3  | Nonpaper labels shall not liberate small parts when tested in accordance with 7.12.5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    |
| 5.9    | The paint and surface coating on the product shall comply with 16 CFR 1303.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PASS<br>(See Chemical Test Result) |
| 5.10   | <b>Protective Components</b><br>If a child can grasp protective components, such as caps, sleeves, or plugs used for protection from sharp edges, points, or entrapment of fingers or toes, between the thumb and forefinger, or teeth, or if there is at least a 0.040 in. (1.00 mm) gap between the component and its adjacent parent component, such components shall not be removed when tested in accordance with 7.7.                                                                                                                                                                                                                                             | N/A                                |
| 6      | <b>Performance Requirements</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |
| 7.2    | <b>Testing Guidelines:</b><br>The tests under this section shall be conducted in the order shown:<br>(1) Latching/Locking and Hinge Mechanism Durability Test<br>(2) Automatic Closing System Test, if applicable<br>(3) Remaining tests, except Slat Strength test, conducted in any order<br>(4) Slat Strength Test (the last test)                                                                                                                                                                                                                                                                                                                                   |                                    |
| 6.1    | The following performance requirements apply to gates and enclosures when they are erected or installed in any of the manufacturer's recommended use positions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PASS                               |
| 6.1.1* | <b>Completely-bounded Openings</b><br>Openings within the gate or enclosure, and completely-bounded openings between the gate and the test fixture, shall not permit the complete passage of the small torso probe (see Fig. 2) when tested in accordance with 7.10.                                                                                                                                                                                                                                                                                                                                                                                                    | PASS                               |
| 6.1.2  | <b>Height of Sides</b><br>The vertical distance from the floor to the lowest point of the uppermost surface shall not be less than 22 in. (560 mm) when measured from the floor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PASS                               |



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| Clause  | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Rating |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 6.1.3   | <b>Vertical Strength</b><br>Uppermost top rails, edges, or framing components of the gates or enclosures shall be tested in accordance with 7.8 and shall not fracture, disengage, fold, or have a deflection that reduces the lowest point of the uppermost surface of a gate or enclosure to a dimension of less than 22 in. (560 mm) when measured vertically from the floor at any time during or after completion of the test (see 6.1.2). The unit shall remain in its manufacturer's recommended use position and the lock/latch shall remain engaged during the test and engaged and operative upon completion of the tests described in 7.8. | PASS   |
| 6.1.4   | <b>Bottom Spacing</b><br>For enclosures, the space between the floor and the bottom of the enclosure shall not permit the complete passage of the small torso probe (see Fig. 2) when tested in accordance with 7.10. For gates, the space between the test fixture and the bottom of the gate shall not permit the passage of the small torso probe (see Fig. 2) when tested in accordance with 7.10.                                                                                                                                                                                                                                                | PASS   |
| 6.1.5   | <b>Configuration of Uppermost Edge</b><br>A partially-bounded opening at any point in the uppermost edge of a product that is greater than 1.5 in. (38 mm) in width and more than 0.64 in. (16.2 mm) in depth shall be subjected to the test procedure in 7.11 (see Fig. 3). During the test, no portions of the boundaries of the opening shall simultaneously contact more than one of surfaces "B," "C," or corner "BC" or "CC" in any combination if they are not opposing sides of the center line of Test Template B (see Fig. 4).                                                                                                              | N/A    |
| 6.2     | <b>Latching/Locking and Hinge Mechanisms</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| 6.2.1   | <b>Pressure-Mounted Gates</b><br>All pressure-mounted gates shall have a latching or locking device or other provision in the design that will prevent the unit from unintentionally folding or contracting when properly placed in the manufacturer's recommended use position. The locking or latching device shall remain engaged during and upon completion of the testing, and the locking or latching device shall remain operative upon completion of the testing in accordance with 7.3.                                                                                                                                                      | N/A    |
| 6.2.2   | <b>Units with Egress Panels</b><br>All gates or enclosures designed with egress panels shall have a latching or locking device to keep the panel in the closed position and prevent unintentional opening. The locking or latching device shall remain engaged during and upon completion of the testing, and the locking or latching device shall remain operative upon completion of the testing in accordance with 7.3.                                                                                                                                                                                                                            | N/A    |
| 6.2.2.1 | <b>Automatic Closing Systems</b><br>Any unit with an automatic closing mechanism shall continue to close and automatically lock or latch, without the intervention of the user, when tested in accordance with 7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                   | N/A    |
| 6.3     | <b>Horizontal Push-Out</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |
| 6.3.1   | All gates shall be tested in accordance with 7.9. At each test location, the average push-out force shall exceed 30 lbf (133 N). In addition, each individual force shall exceed 20 lbf (89 N).                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N/A    |



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| Clause       | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rating                        |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>6.4</b>   | <b>Locking Device</b><br>Every device provided to prevent the unlocking or unlatching of a product from the manufacturer's recommended use position(s) shall meet either 6.4.1 or 6.4.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PASS                          |
| 6.4.1        | Each single-action locking or latching device shall require a minimum force of 10 lbf (45 N) to activate the release mechanism when tested in accordance with 7.6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N/A                           |
| 6.4.2        | The locking or latching device shall be a double-action release mechanism. There are no force requirements for double-action locking or latching devices. double-action release mechanism, n—a release mechanism requiring either two consecutive actions, the first of which must be maintained while the second is carried out, or two separate and independent single-action release mechanisms that must be activated simultaneously to unlock the gate/enclosure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PASS                          |
| <b>6.5</b>   | <b>Toys</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
| 6.5.1        | Toy accessories shall not be attached to, or sold with, a gate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | N/A                           |
| 6.5.2        | Toy accessories attached to, removable from, or sold with an enclosure, as well as their means of attachment, shall meet applicable requirements of Specification F963.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PASS<br>(See Toy Test Result) |
| <b>6.6</b>   | <b>Slat Strength Test</b><br>Gates and enclosures with wood or metal vertical members (slats) shall be tested in accordance with the procedure in 7.13. Upon completion of testing, there shall be no complete breakage of any slat or complete separation of either end of a slat from the gate or enclosure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PASS                          |
| <b>6.7</b>   | <b>Pressure-Mounted Gate-Mounting Hardware—</b><br>Installation components (for example, wall cups) that are necessary for the gate to meet the performance requirements in 6.3.1 shall be included with the gate in one of the following ways:<br>(a) Temporarily affixed to a main panel of the gate with the warning in 8.5.7 similarly attached.<br>(b) Temporarily attached to each of the pressure pads/tension bolt pads of the gate.<br>(c) Not affixed or attached to the gate as long as the gate is designed in such a way that does not allow for its installation without the mounting hardware.<br><br>NOTE 1—The following are examples that would meet 6.7: (a) a bag containing the wall cups and printed with the same warning as in 8.5.3. (b) wall cups that are attached to the pressure pads/tension bolt pads of the gate and remain in place until the consumer installs the gate or removes them. (c) a gate with an on-gate pressure point that would obviously damage a wall without the wall cups installed. | N/A                           |
| <b>6.8</b>   | <b>Visual Side-pressure Indicators—</b> Any pressure-mounted gate that does not require the use of pressure-mounted gate-mounting hardware per 6.7, to meet the performance requirements in 6.3.1, shall include visual side-pressure indicators.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | N/A                           |
| <b>6.8.1</b> | Visual side-pressure indicators shall be conspicuous and readily identifiable to a person installing and standing near the gate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N/A                           |



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| Clause                                | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                     | Rating |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 6.8.2                                 | Visual side-pressure indicators shall monitor pressure for each point of contact with the mounting surface utilizing one or more of the following three options. Such indicators, when the gate is tested in accordance with 7.9, shall indicate when the required side pressure has been attained upon installation of the gate, and continue to display the side pressure status while the gate is in a manufacturer's recommend use position. | N/A    |
| 6.8.2.1                               | A single visual side-pressure indicator for each individual contact point.                                                                                                                                                                                                                                                                                                                                                                       | N/A    |
| 6.8.2.2                               | A single visual side-pressure indicator for each individual rail (top and bottom), so the opposing horizontal contact points are addressed.                                                                                                                                                                                                                                                                                                      | N/A    |
| 6.8.2.3                               | A single visual side-pressure indicator for the entire gate.                                                                                                                                                                                                                                                                                                                                                                                     | N/A    |
| 6.9<br>(Not including in 16 CFR 1239) | Expansion gates and expandable enclosures under the scope of this consumer safety specification shall not include any features or openings within the gate that allow for unassisted pet entry or egress.                                                                                                                                                                                                                                        | N/A    |
| 8*                                    | <b>Marking and Labeling</b>                                                                                                                                                                                                                                                                                                                                                                                                                      | PASS   |
| 9                                     | <b>Instructional Literature</b>                                                                                                                                                                                                                                                                                                                                                                                                                  | PASS   |

Note: N/A = Not applicable.

Item with \* means it passed at the first retest.

### Remark:

- Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.
- The declaration of conformity is based on acceptance limits chosen based on simple acceptance ( $w = 0$ ,  $AL = TL$ ).  
Statements of conformity are reported as:  
Passed - The measured values were observed in tolerance at the points tested.  
Failed - One or more measured values were observed out of tolerance at the points tested.



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### Sample Photo:

Received sample



SGS authenticate the photo on original report only



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### Chemical Test Result:

#### Test Part Description:

| SN ID | Sample No. | SGS Sample ID           | Description                                                                                                   |
|-------|------------|-------------------------|---------------------------------------------------------------------------------------------------------------|
| SN1   | A1         | SHA26-0028430-0001.C001 | Grey coating on wood ball                                                                                     |
| SN2   | A2         | SHA26-0028430-0001.C002 | Purple coating on wood ball                                                                                   |
| SN3   | A3         | SHA26-0028430-0001.C003 | Blue coating on wood ball                                                                                     |
| SN4   | A4         | SHA26-0028430-0001.C004 | Aqua coating on wood ball                                                                                     |
| SN5   | A5         | SHA26-0028430-0001.C005 | Yellow coating on wood ball                                                                                   |
| SN6   | A6         | SHA26-0028430-0001.C006 | Orange coating on wood ball                                                                                   |
| SN7   | A7         | SHA26-0028430-0001.C007 | Grey coating on metal                                                                                         |
| SN8   | A8         | SHA26-0028430-0001.C008 | Colorful coating                                                                                              |
| SN9   | A9         | SHA26-0028430-0001.C009 | Beige yellow plastic connect                                                                                  |
| SN10  | A10        | SHA26-0028430-0001.C010 | Beige yellow soft plastic on button                                                                           |
| SN11  | A11        | SHA26-0028430-0001.C011 | Beige yellow plastic on metal soundboard                                                                      |
| SN12  | A12        | SHA26-0028430-0001.C012 | Grye foam mat                                                                                                 |
| SN13  | A13        | SHA26-0028430-0001.C013 | Beige yellow foam                                                                                             |
| SN14  | A14        | SHA26-0028430-0001.C014 | White elastic                                                                                                 |
| SN15  | A15        | SHA26-0028430-0001.C015 | Colorful paper instructions                                                                                   |
| SN16  | A16        | SHA26-0028430-0001.C016 | Natural color plywood                                                                                         |
| SN17  | A17        | SHA26-0028430-0001.C017 | Natural color solid wood                                                                                      |
| SN18  | A18        | SHA26-0028430-0001.C018 | White MDF                                                                                                     |
| SN19  | A19        | SHA26-0028430-0001.C019 | Silvery metal metal soundboard                                                                                |
| SN20  | A20        | SHA26-0028430-0001.C020 | Silvery metal magnet                                                                                          |
| SN21  | A21        | SHA26-0028430-0001.C021 | Silvery metal rivet                                                                                           |
| SN22  | A1+A2+A3   | SHA26-0028430-0002      | Grey coating on wood ball + Purple coating on wood ball + Blue coating on wood ball                           |
| SN23  | A4+A5+A6   | SHA26-0028430-0003      | Aqua coating on wood ball + Yellow coating on wood ball + Orange coating on wood ball                         |
| SN24  | A9+A10+A11 | SHA26-0028430-0004      | Beige yellow plastic connect + Beige yellow soft plastic on button + Beige yellow plastic on metal soundboard |
| SN25  | A12+A13    | SHA26-0028430-0005      | Grye foam mat + Beige yellow foam                                                                             |

#### Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) “-” = Not Regulated

### ASTM F963-23, Clause 4.3.5.1 – Total Lead in Paint and Similar Surface-coating Materials

**Test Method:** With reference to CPSC-CH-E1003-09.1, analysis was performed by AAS/ICP-OES.



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| Test Item(s)      | Limit | Unit(s) | MDL | A7          | A8          | A1+A2+A3    |
|-------------------|-------|---------|-----|-------------|-------------|-------------|
| Total Lead (Pb)   | 90    | mg/kg   | 20  | ND          | ND          | ND          |
| <b>Conclusion</b> |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

| Test Item(s)      | Limit | Unit(s) | MDL | A4+A5+A6    |
|-------------------|-------|---------|-----|-------------|
| Total Lead (Pb)   | 90    | mg/kg   | 20  | ND          |
| <b>Conclusion</b> |       |         |     | <b>Pass</b> |

## ASTM F963-23, Clause 4.3.5.2 – Total Lead in Substrate Materials

**Test Method:** With reference to CPSC-CH-E1002-08.3, analysis was performed by AAS/ICP-OES.

| Test Item(s)      | Limit | Unit(s) | MDL | A14         | A9+A10+A11  | A12+A13     |
|-------------------|-------|---------|-----|-------------|-------------|-------------|
| Total Lead (Pb)   | 100   | mg/kg   | 20  | ND          | ND          | ND          |
| <b>Conclusion</b> |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

**Test Method:** With reference to CPSC-CH-E1001-08.3, analysis was performed by AAS/ICP-OES.

| Test Item(s)      | Limit | Unit(s) | MDL | A19         | A20         | A21         |
|-------------------|-------|---------|-----|-------------|-------------|-------------|
| Total Lead (Pb)   | 100   | mg/kg   | 20  | ND          | ND          | ND          |
| <b>Conclusion</b> |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

## ASTM F963-23, Clause 4.3.5.1 – Soluble Heavy Metal in Paint and Similar Surface-coating Materials

**Test Method:** With reference to ASTM F 963-23 (Clause 8.3), analysis was performed by ICP-OES.

| Test Item(s)         | Limit | Unit(s) | MDL | A1          | A2          | A3          |
|----------------------|-------|---------|-----|-------------|-------------|-------------|
| Mass of trace amount | -     | mg      | -   | 41.0        | 53.2        | 40.4        |
| Soluble Mercury(Hg)  | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Chromium(Cr) | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Cadmium(Cd)  | 75    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Barium(Ba)   | 1000  | mg/kg   | 10  | ND          | ND          | ND          |
| Soluble Arsenic(As)  | 25    | mg/kg   | 2.5 | ND          | ND          | ND          |
| Soluble Lead(Pb)     | 90    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Antimony(Sb) | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Selenium(Se) | 500   | mg/kg   | 10  | ND          | ND          | ND          |
| <b>Conclusion</b>    |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |



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| Test Item(s)         | Limit | Unit(s) | MDL | A4          | A5          | A6          |
|----------------------|-------|---------|-----|-------------|-------------|-------------|
| Mass of trace amount | -     | mg      | -   | 29.7        | 25.7        | 71.2        |
| Soluble Mercury(Hg)  | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Chromium(Cr) | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Cadmium(Cd)  | 75    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Barium(Ba)   | 1000  | mg/kg   | 10  | ND          | ND          | ND          |
| Soluble Arsenic(As)  | 25    | mg/kg   | 2.5 | ND          | ND          | ND          |
| Soluble Lead(Pb)     | 90    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Antimony(Sb) | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Selenium(Se) | 500   | mg/kg   | 10  | ND          | ND          | ND          |
| <b>Conclusion</b>    |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

| Test Item(s)         | Limit | Unit(s) | MDL | A7          | A8          |
|----------------------|-------|---------|-----|-------------|-------------|
| Mass of trace amount | -     | mg      | -   | 74.1        | /           |
| Soluble Mercury(Hg)  | 60    | mg/kg   | 5   | ND          | ND          |
| Soluble Chromium(Cr) | 60    | mg/kg   | 5   | ND          | ND          |
| Soluble Cadmium(Cd)  | 75    | mg/kg   | 5   | ND          | ND          |
| Soluble Barium(Ba)   | 1000  | mg/kg   | 10  | 65          | ND          |
| Soluble Arsenic(As)  | 25    | mg/kg   | 2.5 | ND          | ND          |
| Soluble Lead(Pb)     | 90    | mg/kg   | 5   | ND          | ND          |
| Soluble Antimony(Sb) | 60    | mg/kg   | 5   | ND          | ND          |
| Soluble Selenium(Se) | 500   | mg/kg   | 10  | ND          | ND          |
| <b>Conclusion</b>    |       |         |     | <b>Pass</b> | <b>Pass</b> |

## Notes:

- (1) Results shown are of the adjusted analytical results.
- (2) / = Not Applicable

## ASTM F963-23, Clause 4.3.5.2 – Soluble Heavy Metal in Substrate Materials

**Test Method:** With reference to ASTM F 963-23 (Clause 8.3), analysis was performed by ICP-OES.

| Test Item(s)         | Limit | Unit(s) | MDL | A9          | A10         | A11         |
|----------------------|-------|---------|-----|-------------|-------------|-------------|
| Mass of trace amount | -     | mg      | -   | /           | /           | /           |
| Soluble Mercury(Hg)  | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Chromium(Cr) | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Cadmium(Cd)  | 75    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Barium(Ba)   | 1000  | mg/kg   | 10  | ND          | ND          | ND          |
| Soluble Arsenic(As)  | 25    | mg/kg   | 2.5 | ND          | ND          | ND          |
| Soluble Lead(Pb)     | 90    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Antimony(Sb) | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Selenium(Se) | 500   | mg/kg   | 10  | ND          | ND          | ND          |
| <b>Conclusion</b>    |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |



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| Test Item(s)         | Limit | Unit(s) | MDL | A12         | A13         | A14         |
|----------------------|-------|---------|-----|-------------|-------------|-------------|
| Mass of trace amount | -     | mg      | -   | /           | /           | 69.4        |
| Soluble Mercury(Hg)  | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Chromium(Cr) | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Cadmium(Cd)  | 75    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Barium(Ba)   | 1000  | mg/kg   | 10  | ND          | ND          | ND          |
| Soluble Arsenic(As)  | 25    | mg/kg   | 2.5 | ND          | ND          | ND          |
| Soluble Lead(Pb)     | 90    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Antimony(Sb) | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Selenium(Se) | 500   | mg/kg   | 10  | ND          | ND          | ND          |
| <b>Conclusion</b>    |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

| Test Item(s)         | Limit | Unit(s) | MDL | A15         | A16         | A17         |
|----------------------|-------|---------|-----|-------------|-------------|-------------|
| Mass of trace amount | -     | mg      | -   | /           | /           | /           |
| Soluble Mercury(Hg)  | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Chromium(Cr) | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Cadmium(Cd)  | 75    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Barium(Ba)   | 1000  | mg/kg   | 10  | ND          | ND          | ND          |
| Soluble Arsenic(As)  | 25    | mg/kg   | 2.5 | ND          | ND          | ND          |
| Soluble Lead(Pb)     | 90    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Antimony(Sb) | 60    | mg/kg   | 5   | ND          | ND          | ND          |
| Soluble Selenium(Se) | 500   | mg/kg   | 10  | ND          | ND          | ND          |
| <b>Conclusion</b>    |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

| Test Item(s)         | Limit | Unit(s) | MDL | A18         |
|----------------------|-------|---------|-----|-------------|
| Mass of trace amount | -     | mg      | -   | /           |
| Soluble Mercury(Hg)  | 60    | mg/kg   | 5   | ND          |
| Soluble Chromium(Cr) | 60    | mg/kg   | 5   | ND          |
| Soluble Cadmium(Cd)  | 75    | mg/kg   | 5   | ND          |
| Soluble Barium(Ba)   | 1000  | mg/kg   | 10  | ND          |
| Soluble Arsenic(As)  | 25    | mg/kg   | 2.5 | ND          |
| Soluble Lead(Pb)     | 90    | mg/kg   | 5   | ND          |
| Soluble Antimony(Sb) | 60    | mg/kg   | 5   | ND          |
| Soluble Selenium(Se) | 500   | mg/kg   | 10  | ND          |
| <b>Conclusion</b>    |       |         |     | <b>Pass</b> |

### Notes:

- (1) Results shown are of the adjusted analytical results.
- (2) / = Not Applicable

### ASTM F963-23, Clause 4.3.8 – Phthalates

**Test Method:** With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS.



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| Test Item(s)                      | CAS No.                 | Limit | Unit(s) | MDL   | A7          | A8          | A14         |
|-----------------------------------|-------------------------|-------|---------|-------|-------------|-------------|-------------|
| Di-butyl Phthalate (DBP)          | 84-74-2                 | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Di-2-Ethyl Hexyl Phthalate (DEHP) | 117-81-7                | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Benzyl Butyl Phthalate (BBP)      | 85-68-7                 | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Diisononyl Phthalate (DINP)       | 28553-12-0 / 68515-48-0 | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Diisobutyl Phthalate (DIBP)       | 84-69-5                 | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Dipentyl Phthalate (DPENP)        | 131-18-0                | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Dihexyl Phthalate (DHEXP/ DnHP)   | 84-75-3                 | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Dicyclohexyl Phthalate (DCHP)     | 84-61-7                 | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| <b>Conclusion</b>                 |                         |       |         |       | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

| Test Item(s)                      | CAS No.                 | Limit | Unit(s) | MDL   | A1+A2+A3    | A4+A5+A6    | A9+A10+A11  |
|-----------------------------------|-------------------------|-------|---------|-------|-------------|-------------|-------------|
| Di-butyl Phthalate (DBP)          | 84-74-2                 | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Di-2-Ethyl Hexyl Phthalate (DEHP) | 117-81-7                | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Benzyl Butyl Phthalate (BBP)      | 85-68-7                 | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Diisononyl Phthalate (DINP)       | 28553-12-0 / 68515-48-0 | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Diisobutyl Phthalate (DIBP)       | 84-69-5                 | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Dipentyl Phthalate (DPENP)        | 131-18-0                | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Dihexyl Phthalate (DHEXP/ DnHP)   | 84-75-3                 | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| Dicyclohexyl Phthalate (DCHP)     | 84-61-7                 | 0.1   | %       | 0.005 | ND          | ND          | ND          |
| <b>Conclusion</b>                 |                         |       |         |       | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

| Test Item(s)                      | CAS No.  | Limit | Unit(s) | MDL   | A12+A13 |
|-----------------------------------|----------|-------|---------|-------|---------|
| Di-butyl Phthalate (DBP)          | 84-74-2  | 0.1   | %       | 0.005 | ND      |
| Di-2-Ethyl Hexyl Phthalate (DEHP) | 117-81-7 | 0.1   | %       | 0.005 | ND      |



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| Test Item(s)                   | CAS No.                   | Limit | Unit(s) | MDL   | A12+A13     |
|--------------------------------|---------------------------|-------|---------|-------|-------------|
| Benzyl Butyl Phthalate (BBP)   | 85-68-7                   | 0.1   | %       | 0.005 | ND          |
| Diisononyl Phthalate (DINP)    | 28553-12-0<br>/68515-48-0 | 0.1   | %       | 0.005 | ND          |
| Diisobutyl Phthalate (DIBP)    | 84-69-5                   | 0.1   | %       | 0.005 | ND          |
| Dipentyl Phthalate (DPENP)     | 131-18-0                  | 0.1   | %       | 0.005 | ND          |
| Diethyl Phthalate (DEHP/ DnHP) | 84-75-3                   | 0.1   | %       | 0.005 | ND          |
| Dicyclohexyl Phthalate (DCHP)  | 84-61-7                   | 0.1   | %       | 0.005 | ND          |
| <b>Conclusion</b>              |                           |       |         |       | <b>Pass</b> |

## Part 1303, Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A.-Lead in paint/similar surface coating material

**Test Method:** With reference to CPSC-CH-E1003-09.1, analysis was performed by AAS/ICP-OES.

| Test Item(s)      | Limit | Unit(s) | MDL    | A7          | A8          | A1+A2+A3    |
|-------------------|-------|---------|--------|-------------|-------------|-------------|
| Lead(Pb)          | 0.009 | %       | 0.0020 | ND          | ND          | ND          |
| <b>Conclusion</b> |       |         |        | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

| Test Item(s)      | Limit | Unit(s) | MDL    | A4+A5+A6    |
|-------------------|-------|---------|--------|-------------|
| Lead(Pb)          | 0.009 | %       | 0.0020 | ND          |
| <b>Conclusion</b> |       |         |        | <b>Pass</b> |

## CPSIA section 101(f) - Lead in paint/similar surface coating material

**Test Method:** With reference to CPSC-CH-E1003-09.1, analysis was performed by AAS/ICP-OES.

| Test Item(s)      | Limit | Unit(s) | MDL | A7          | A8          | A1+A2+A3    |
|-------------------|-------|---------|-----|-------------|-------------|-------------|
| Lead (Pb)         | 90    | mg/kg   | 20  | ND          | ND          | ND          |
| <b>Conclusion</b> |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

| Test Item(s)      | Limit | Unit(s) | MDL | A4+A5+A6    |
|-------------------|-------|---------|-----|-------------|
| Lead (Pb)         | 90    | mg/kg   | 20  | ND          |
| <b>Conclusion</b> |       |         |     | <b>Pass</b> |



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## CPSIA section 101(a)(2) - Lead in accessible substrate materials

**Test Method:** With reference to CPSC-CH-E1002-08.3, analysis was performed by AAS/ICP-OES.

| Test Item(s)      | Limit | Unit(s) | MDL | A14         | A9+A10+A11  | A12+A13     |
|-------------------|-------|---------|-----|-------------|-------------|-------------|
| Lead (Pb)         | 100   | mg/kg   | 20  | ND          | ND          | ND          |
| <b>Conclusion</b> |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

**Test Method:** With reference to CPSC-CH-E1001-08.3, analysis was performed by AAS/ICP-OES.

| Test Item(s)      | Limit | Unit(s) | MDL | A19         | A20         | A21         |
|-------------------|-------|---------|-----|-------------|-------------|-------------|
| Lead (Pb)         | 100   | mg/kg   | 20  | ND          | ND          | ND          |
| <b>Conclusion</b> |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

## CONSUMER PRODUCT SAFETY COMMISSION-16 CFR Part 1307, Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates

**Test Method:** With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS.

| Test Item(s)                        | CAS No.                 | Limit | Unit(s) | MDL | A7          | A8          | A14         |
|-------------------------------------|-------------------------|-------|---------|-----|-------------|-------------|-------------|
| Benzyl Butyl Phthalate (BBP)        | 85-68-7                 | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Dibutyl Phthalate (DBP)             | 84-74-2                 | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Dicyclohexyl Phthalates (DCHP)      | 84-61-7                 | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Di(2-ethyl hexyl) Phthalate (DEHP)  | 117-81-7                | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Di-n-hexyl Phthalates (DHEXP/ DnHP) | 84-75-3                 | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Diisobutyl Phthalates (DIBP)        | 84-69-5                 | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Diisononyl Phthalate (DINP)         | 28553-12-0 / 68515-48-0 | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Dipentyl Phthalates (DPENP)         | 131-18-0                | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| <b>Conclusion</b>                   |                         |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |



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| Test Item(s)                        | CAS No.                   | Limit | Unit(s) | MDL | A1+A2+A3    | A4+A5+A6    | A9+A10+A11  |
|-------------------------------------|---------------------------|-------|---------|-----|-------------|-------------|-------------|
| Benzyl Butyl Phthalate (BBP)        | 85-68-7                   | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Dibutyl Phthalate (DBP)             | 84-74-2                   | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Dicyclohexyl Phthalates (DCHP)      | 84-61-7                   | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Di(2-ethyl hexyl) Phthalate (DEHP)  | 117-81-7                  | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Di-n-hexyl Phthalates (DHEXP/ DnHP) | 84-75-3                   | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Diisobutyl Phthalates (DIBP)        | 84-69-5                   | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Diisononyl Phthalate (DINP)         | 28553-12-0<br>/68515-48-0 | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| Dipentyl Phthalates (DPENP)         | 131-18-0                  | 1000  | mg/kg   | 50  | ND          | ND          | ND          |
| <b>Conclusion</b>                   |                           |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

| Test Item(s)                        | CAS No.                   | Limit | Unit(s) | MDL | A12+A13     |
|-------------------------------------|---------------------------|-------|---------|-----|-------------|
| Benzyl Butyl Phthalate (BBP)        | 85-68-7                   | 1000  | mg/kg   | 50  | ND          |
| Dibutyl Phthalate (DBP)             | 84-74-2                   | 1000  | mg/kg   | 50  | ND          |
| Dicyclohexyl Phthalates (DCHP)      | 84-61-7                   | 1000  | mg/kg   | 50  | ND          |
| Di(2-ethyl hexyl) Phthalate (DEHP)  | 117-81-7                  | 1000  | mg/kg   | 50  | ND          |
| Di-n-hexyl Phthalates (DHEXP/ DnHP) | 84-75-3                   | 1000  | mg/kg   | 50  | ND          |
| Diisobutyl Phthalates (DIBP)        | 84-69-5                   | 1000  | mg/kg   | 50  | ND          |
| Diisononyl Phthalate (DINP)         | 28553-12-0<br>/68515-48-0 | 1000  | mg/kg   | 50  | ND          |
| Dipentyl Phthalates (DPENP)         | 131-18-0                  | 1000  | mg/kg   | 50  | ND          |
| <b>Conclusion</b>                   |                           |       |         |     | <b>Pass</b> |



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## **Canada Consumer Product Safety Act-Surface Coating Materials Regulations SOR/2016-193 and its amendment SOR/2022-122- Total Lead in surface coating materials**

**Test Method:** With reference to CPSC-CH-E1003-09.1, analysis was performed by AAS/ICP-OES.

| Test Item(s)      | Limit | Unit(s) | MDL | A7          | A8          | A1+A2+A3    |
|-------------------|-------|---------|-----|-------------|-------------|-------------|
| Total Lead (Pb)   | 90    | mg/kg   | 20  | ND          | ND          | ND          |
| <b>Conclusion</b> |       |         |     | <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |

| Test Item(s)      | Limit | Unit(s) | MDL | A4+A5+A6    |
|-------------------|-------|---------|-----|-------------|
| Total Lead (Pb)   | 90    | mg/kg   | 20  | ND          |
| <b>Conclusion</b> |       |         |     | <b>Pass</b> |

### Remark:

For method of CPSC-CH-E1003-09.1/CPSC-CH-E1002-08.3/CPSC-CH-E1001-08.3: The result is calculated using the minimum sample weight.

For Others: Test was conducted on composite of random parts of the item as per client's request.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ( $w=0$ ) stated in ILAC-G8:09/2019.



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### Sample Photo:



SHA26-0028430

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## Toy Test Result

### ASTM F963-23 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

AS SPECIFIED IN ASTM F963-23 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

| Clause                                                                                                                                                                                                                                                                                                                                                                                                     | Description                                               | Result                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------|
| 4                                                                                                                                                                                                                                                                                                                                                                                                          | Safety Requirements                                       |                                 |
| 4.1                                                                                                                                                                                                                                                                                                                                                                                                        | Material Quality **                                       | Pass                            |
| 4.2                                                                                                                                                                                                                                                                                                                                                                                                        | Flammability Test                                         | Pass (See Result Page)          |
| 4.3                                                                                                                                                                                                                                                                                                                                                                                                        | Toxicology                                                |                                 |
| 4.3.5                                                                                                                                                                                                                                                                                                                                                                                                      | Heavy Elements                                            |                                 |
| 4.3.5.1                                                                                                                                                                                                                                                                                                                                                                                                    | Heavy Elements in Paint/Similar Surface Coating Materials | Pass (See chemical test result) |
| 4.3.5.2                                                                                                                                                                                                                                                                                                                                                                                                    | Heavy Metal in Substrate Materials                        | Pass (See chemical test result) |
| 4.3.8                                                                                                                                                                                                                                                                                                                                                                                                      | Phthalates                                                | Pass (See chemical test result) |
| 4.6.1                                                                                                                                                                                                                                                                                                                                                                                                      | Small Objects                                             | Pass#                           |
| 4.7                                                                                                                                                                                                                                                                                                                                                                                                        | Accessible Edges                                          | Pass                            |
| 4.9                                                                                                                                                                                                                                                                                                                                                                                                        | Accessible Points                                         | Pass                            |
| 4.11                                                                                                                                                                                                                                                                                                                                                                                                       | Nails and Fasteners                                       | Pass                            |
| 4.14                                                                                                                                                                                                                                                                                                                                                                                                       | Cords, Straps and Elastic                                 | Pass                            |
| 4.38                                                                                                                                                                                                                                                                                                                                                                                                       | Magnets                                                   | Pass                            |
| 5                                                                                                                                                                                                                                                                                                                                                                                                          | Safety Labeling Requirements                              |                                 |
| 5.1                                                                                                                                                                                                                                                                                                                                                                                                        | Federal Government Requirements                           |                                 |
| 5.1.1                                                                                                                                                                                                                                                                                                                                                                                                      | Specific Labeling Requirement                             | See Remark                      |
| <p>Remark: All toys that fall within the definitions and requirements of the U.S. FHSA shall conform to the labeling requirement of that act. For specific requirements, reference 16 CFR 1500.3, 1500.14, 1500.19, 1500.82, 1500.83, 1500.86, 1500.121, 1500.122, 1500.123, 1500.125, 1500.126, 1500.127, 1500.128, 1500.130, 1505.3, and 1511.7. In addition, state labeling requirements may exist.</p> |                                                           |                                 |
| 5.1.2                                                                                                                                                                                                                                                                                                                                                                                                      | Tracking Label                                            | Pass                            |
| 5.2                                                                                                                                                                                                                                                                                                                                                                                                        | Age Grading Labeling                                      | Pass                            |
| 5.15                                                                                                                                                                                                                                                                                                                                                                                                       | Promotional Materials                                     | Pass                            |
| 7                                                                                                                                                                                                                                                                                                                                                                                                          | Producer's Markings                                       |                                 |
| 7.1                                                                                                                                                                                                                                                                                                                                                                                                        | Producer's Markings                                       | Pass                            |



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## Test Report

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|      |                    |              |
|------|--------------------|--------------|
| 8.5  | Normal Use Testing | <u>Pass</u>  |
| 8.7  | Impact Test        | <u>Pass</u>  |
| 8.8  | Torque Test        | <u>Pass</u>  |
| 8.9  | Tension Test       | <u>Pass#</u> |
| 8.10 | Compression Test   | <u>Pass</u>  |

The item with # means it has been retested.

\*\* Visual Examination

### Result Page:

#### ASTM F963-23, Clause 4.2 – Flammability Test

#### Flammability Test on Solid

Sample  
wooden playpen

Burning Rate (inch/sec)  
0.03

Requirement: A toy / component is considered a “flammable solid” if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

N.B. : - Only applicable clauses were shown.

### Remark:

1. Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.
2. The declaration of conformity is based on acceptance limits chosen based on simple acceptance ( $w = 0$ ,  $AL = TL$ ).  
Statements of conformity are reported as:  
Passed - The measured values were observed in tolerance at the points tested.  
Failed - One or more measured values were observed out of tolerance at the points tested.



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### Sample Photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*



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